

ABSTRACT

A method for concealing errors in video data is disclosed. The method includes decoding a first set of motion vectors and estimating a second set of remaining motion vectors in the corrupted video packet. A motion compensated temporal replacement of texture data is performed using the first and second sets of motion vectors. The image smoothness of the texture data is then performed. The decoding, estimating, performing temporal replacement, and evaluating are repeated with one less motion vector in the first set and one more motion vector in the second set. The repeating is done until there is no more motion vector left in the first set. Sets of motion vectors that produce a best image smoothness measure of the texture data are selected from the first and second sets.

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